

Subt. For, PTO-1449				Docket Number 107475.122	Application Number 00/100,555 10/629,125
INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Applicant Forster et al.	
				Filing Date October 5, 1998	Group Art Unit 2172 2175
Sheet	1	OF	4		

U.S. Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
An	4,989,132	1/1991	Mellender et al.	717 304	200 139	—
	5,019,961	5/1991	Addesso et al.	70 204	102 87	—
	5,121,494	6/1992	Dias et al.	707 895	600 42	—
	5,193,185	3/1993	Lanter	707 395	600 101	—
	5,226,111	7/1993	Black et al.	706 305	54 50	—
	5,259,066	11/1993	Schmidt	706 305	54 50	—
	5,276,870	1/1994	Shan et al.	707 395	600 101	—
	5,301,317	4/1994	Lohman et al.	707 395	600 101	—
	5,307,445	4/1994	Dalal et al.	706 395	60 56	—
	5,325,525	6/1994	Shan et al.	707 395	600 3	—
	5,418,942	5/1995	Krawchuk et al.	707 395	600 101	—
	5,418,943	5/1995	Borgida et al.	707	4	—
An	5,469,568	11/1995	Shiefer et al.	707 395	600 101	—

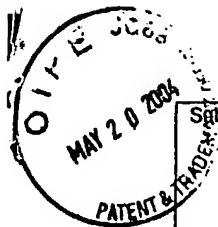
Foreign Patent Documents							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)		
An	A1	Alsabbagh et al., 1992 IEEE Second International Workshop on Research Issues on Data Engineering: Transaction and Query Processing, "A Framework for Multiple-Query Optimization," pp. 157-162.
An	A2	Alzahrani, R.M. et al., 1995 IEEE Ride-DOM '95 Fifth International Workshop on Research Issues in Data Engineering- Distributed Object Management, "A Rule-Based Query Processor for a Heterogenous Object-Oriented Database Environment-Overview" pp. 86-90.
An	A3	Ayres, R. et al., Advances in Databases, 14 th British National Conference on Databases BNCOD 14, Edinburgh, United Kingdom, Jul. 3-5, 1996 Proceedings, "Querying Graph Databases Using a Functional Language Extended with Second Order Facilities," pp. 189-203.
An	A4	Balkir, N.H. et al., "Visual: a graphical icon-based query language", Proceedings of the Twelfth International Conference on Data Engineering (Cat. NO. 96CB3588), New Orleans, LA, Feb. 26-Mar. 1, 1996, pp. 524-533.

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 08-13-07
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.	

BOSTON 1903487v1

Best Available Copy



Sgt. For, PTO-1449				Docket Number 107475.122	Application Number 09/466,556 10/629,125
INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Applicant Forster et al.	
				Filing Date October 5, 1998	Group Art Unit 2175 2175
Sheet	2	OF	4		

U.S. Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Am	5,481,700	1/1996	Thuraisingham	395 77	600 2	—
	5,495,606	2/1996	Borden et al.	395 77	600 2	—
	5,515,531	5/1996	Fujiwara et al.	395 77	600 2	—
	5,537,590	7/1996	Amado	395 77	600 2	—
	5,542,073	7/1996	Schiefer et al.	395 77	600 2	—
	5,546,571	8/1996	Shan et al.	395 77	600 2	—
	5,548,749	8/1996	Kroenke et al.	395 77	600 2	—
	5,548,755	8/1996	Leung et al.	395 77	600 2	—
	5,548,770	8/1996	Bridges	395 77	800 2	—
	5,550,971	8/1996	Brunner et al.	245 77	700 3	—
	5,555,404	9/1996	Torbjornsen et al.	395 77	600 2	—
	5,560,006	9/1996	Layden et al.	395 77	600 2	—
	5,574,900	11/1996	Huang et al.	395 77	601 1	—
	5,590,319	12/1996	Cohen et al.	395 77	604 4	—

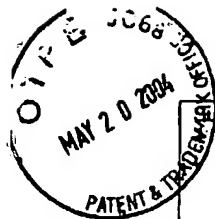
Foreign Patent Documents							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)		
Am	A5	Barsalou, T. et al., 1992 IEEE Eighth International Conference on Data Engineering, "M(DM): An Open Framework for Interoperation of Multimodel Multidatabase Systems", pp. 218-227.
Am	A6	Benedikt, M. et al., 1996 IEEE Proceedings 11 th Annual Symposium on Logic in Computer Science, "On the Structure of Queries in Constraint Query Languages," pp. 25-34.
Am	A7	Bucci, G. et al., Fall 1994 IEEE MultiMedia, "Sharing Multimedia Data Over a Client-Server Network" pp. 44-54.
Am	A8	Carey, M.L. et al., 1995 IEEE Ride-DOM '95, Fifth Annual Workshop on Research Issues in Data Engineering-Distributed Object Management, "Towards Heterogeneous Multimedia Information Systems: The Garlic Approach," pp. 124-131.
Am	A9	Chamberlin, D.D., "Using the new DB2: IBM's object-relational database system," ISBN 1-55860-373-5, Morgan Kaufmann Series in Data Management Systems, Morgan Kaufmann Publishers, 1996, pp. 647-651.

EXAMINER <i>A R M J 3</i>	DATE CONSIDERED 08-13-01
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.	

BOSTON 1903487v1

Best Available Copy



Inventor: For, PTO-1449				Docket Number 107475.122	Application Number 09/188,556 10/629,125
INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Applicant Forster et al.	
				Filing Date October 5, 1998	Group Art Unit 2172 2175
Sheet	3	OF	4		

Am	A10	Chemicack, M. et al., Jun. 1996 SIGMOD Record, vol. 25, Issue 2, "Rule Languages and Internal Algebras for Rule-Based Optimizers", pp. 401-412.
	A11	Chen, W. et al., 1995 Proceedings 5 th International Conference Database Theory-ICDT '95, "Sorted HiLog: Sorts in Higher-Order Logic Data Languages", pp. 252-265.
	A12	Childs, D.L., 1968 Fall Joint compute Conference, "Description of a set-theoretic data structure" (paper), pp. 557-564.
	A13	Childs, D.L., 1969 Information Processing 68-North-Holland Publishing Company-Amsterdam, "Feasibility of a Set-Theoretic Data Structure a General Structure Based on a Reconstituted Definition of Relation", pp. 420-431.
	A14	Childs, D.L., Paper Entitled, "Extended Set Theory A General Model for Very Large, Distributed, Backend Information Systems" (21 pages).
	A15	Colajanni et al., 1997 IEEE Proceeding of the 17 th Annual International Conference on Distributed Computing Systems, "Scheduling Algorithms for Distributed Web Servers", pp. 169-176.
	A16	DeMichel, et al., 1993 IEEE Ninth Annual Conference on Data Engineering, Apr. 19-23, 1993, "Polyglot: Extensions to Relational Databases for Sharable Types and Function in a Multi-Language Environment", pp. 651-660.
	A17	Gordin, D.N. et al., 1991 IEEE Proceedings The Seventh Conference on Artificial Intelligence Applications, "Set-Oriented Constructs for Rule-Based Systems", pp. 76-80.
	A18	Grahne, G. et al., 1997 Journal of Computer and System Sciences 54, "Knowledgebase Transformations", Article No. SS971454, pp. 98-112.
	A19	Guting, R., Jun. 1993 SIGMOD Record, vol. 22, Issue 2, "Second-Order Signature: A Tool for Specifying Data Models, Query Processing, and Optimization", pp. 277-286.
	A20	Gunter, E. et al, Sep. 1994 Proceedings 5 th International Conference, DEXA '94, Database and Expert Systems Applications, "OR-SML: A Functional Database Programming Language for Disjunctive Information and its Applications", pp. 641-650.
	A21	Gunter, E. et al., 1995 8 th International Workshop on Higher Order Logic Theorem Proving and Its Applications, "Interfacing HOL90 with a Functional Database Query Language", pp. 170-185.
	A22	Imielinski, T. et al., 1984 IEEE 4 th Annual Jerusalem Conference on Information Technology (JCIT), Next Decade in Information Technology, "Towards a Flexible User Interface to Relational Database Systems: Processing Simple Second Order Queries", pp. 358-367.
Am	A23	"InfoSleuth: Agent-based Semantic Integration of Information in Open and Dynamic Environment," Bayardo et al., Proceedings of the 1997 International Conference on Management of Data Symposium on Principles of Database Systems, Jun. 1997, ACM, pp. 195-206.

EXAMINER <i>Am</i>	DATE CONSIDERED 08-13-07
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.	

BOSTON 1903487v1

Rest Available Copy

Subt. For, PTO-1449				Docket Number 107475.122	Application Number 09/166,556 10/629,125
INFORMATION DISCLOSURE IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant Forster et al.	
				Filing Date October 5, 1998	Group Art Unit 2472 2175
Sheet	4	OF	4		

Am	A24	Morishima et al., Advanced Database Research and Development Series- vol. 6, 1997 World Scientific Database Systems for Advanced Applications '97 "A Data Modeling and Query Processing Scheme for intergrations of Structured Document Repositories and Rational Databases", pp. 145-154.
	A25	Muth, P. et al., 1992 IEEE Second International Workshop on Research Issues on Data Engineering: Transaction and Query Processing, "How to Handle Global Transactions in Heterogeneous Data Systems", pp. 192-198.
	A26	"Observer: An Approach for Query Processing in Global Information Systems based on Interoperation across Pre-existing Ontologies," Mena et al., Proceedings of the 1996 First International Conference on Cooperative Information Systems, IEEE, pp. 14-25, Jun., 1996.
	A27	Ozden, B. et al., 1997 Proceedings on the Sixteenth ACM SIGACT-SIGMOD-SIGART Symposium on Principles of Database Systems, "Multimedia Support for Databases", pp. 1-11.
	A28	Park, K.K., et al., 1995 IEEE Ride-DOM '95 Fifth International Workshop on Research Issues in Data Engineering Distributed Object Management, "System Abstraction and Interface for the Interoperable Server Objects in OMEGA", pp. 132-139.
	A29	PCT International Search Report corresponding to International Application No. PCT/US99/22148; Authorized Officer: Fournier, C.; Date of Completion: Feb. 29, 2000; Date of Mailing: Mar. 16, 2000 (3 pages).
	A30	Ross, K., 1992 ACM Press Proceedings of the Eleventh Annual ACM SIGACT-SIGMOD-SIGART Symposium on Principals of Database Systems, "Relations with Relation Names as Arguments: Algebra and Calculus", pp. 346-353.
	A31	Thimm, H. et al., 1996 IEEE Twelfth International Conference on Data Engineering, "S-Sets for Optimized Reactive Adaptive Payout Management in Distributed Multimedia Database Systems", pp. 584-592.
	A32	Widom, J., Sep. 1992 SIGMOD Record, vol. 21, No.3, "A Denotational Semantics for the Starburst Production Rule Language," pp. 4-9.
	A33	Wilschut et al., Jun. 1995 SIGMOD Record, vol. 24, Issue 2, "Parallel Evaluation of Multi-Join Queries", pp. 115-126.
	A34	Yoshitaka, A. et al., Winter 1994 IEEE MultiMedia, "Knowledge-Assisted Content-Based Retrieval for Multimedia Databases", pp. 12-20.
Am	A35	Zhang et al., Feb. 1995 IEEE Transactions on Knowledge and Data Engineering, vol. 7, No. 1, "Data Partition and Parallel Evaluation of Datalog Programs", pp. 163-176.

EXAMINER <i>Am</i>	DATE CONSIDERED 08-13-01
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.	

BOSTON 1903487v1

Best Available Copy